

Chapter 02

POLYNOMIALS

Example:

Find the value of $\frac{a}{(a-b)(a-c)} + \frac{b}{(b-c)(b-a)} + \frac{c}{(c-a)(c-b)}$.

Solution:

$$= \frac{-a(b-c) - b(c-a) - c(a-b)}{(a-b)(b-c)(c-a)}$$

$$= \frac{0}{(a-b)(b-c)(c-a)}$$

$$= 0.$$

